

aiwa



# XP-SR311

COMPACT DISC PLAYER

## OPERATING INSTRUCTIONS

AIWA CO.,LTD.

8A-HCD-901-01  
000317AYO-OX  
Printed in China

### NOTE

#### FOR USE IN THE U.S.A.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### CAUTION

Modifications or adjustments to this product, which are not expressly approved by the manufacturer, may void the user's right or authority to operate this product.

### OWNER'S RECORD

For your convenience, record the model number and the serial number (you will find it on the bottom of your set) in the space provided below. Please refer to them when you contact your Aiwa dealer in case of difficulty.

Model No. XP-SR311

Serial No.

Highlighted letters in the text of this manual correspond to the illustrations.

## PRECAUTIONS

### To maintain good performance

- Do not use the unit in places which are extremely hot, cold, dusty or humid. In particular, do not use or keep the unit in following places.
  - in a high humidity area such as a bathroom
  - near a heater
  - in an area exposed to direct sunlight (e.g., inside a parked car, where it can become extremely hot)
  - near sources of strong magnetism, such as televisions, speakers, or magnets
  - where there is a lot of movement or vibration, such as on a car dashboard or an unstable shelf
- Do not open the battery compartment with wet hands.
- Wipe the unit thoroughly before inserting batteries and after use.
- Do not soak the unit in water.

### For safety

- Do not attempt to disassemble the unit. Laser rays from the optical pickup are dangerous to the eyes.
- Make sure that pins or other foreign object do not get inside the player.
- Take care not to drop the unit or subject it to strong shocks.
- To keep dust from the pickup lens, keep the disc compartment lid closed after use. Never touch the lens.
- If you hear no sound when playing a disc, DO NOT turn the volume up high because music could suddenly start at high volume. Turn the volume control to the lowest level before starting playback and slowly turn it up to the desired level.

### Note on listening with the headphones

- Listen at moderate volumes to avoid hearing damage.
- Do not wear the headphones while driving or cycling. It may create a traffic hazard.
- You should use extreme caution or temporarily discontinue use in potentially hazardous situations, such as walking, jogging, etc.
- Wear them properly; L is left, R is right.

### Note on condensation

If the unit is suddenly moved from a cold place to a warm one, it may result in condensation on the pickup lens and malfunction or playback difficulties. Should this occur, leave the unit for a few hours, then try to playback again.

### If an erroneous operation occurs

Press ■STOP/OFF/CHARGE twice to turn off the power. Then turn the power back on to reset the unit.

## USING ON DRY CELL BATTERIES → A

- 1 Set the dial to the OPEN position to open the disc compartment, then open the battery compartment.
- 2 Insert two size AA (LR6) alkaline batteries with the ⊕ and ⊖ marks correctly aligned. After battery insertion, close the battery compartment firmly.
- 3 Close the disc compartment tightly and set the dial to the LOCK position.

### Battery replacement

The battery indicator in the display changes from to to according to the remaining power of the batteries. Replace the batteries when lights. If the unit remains in use after lights, "Lo-bAtt" is displayed and the operation will stop.

### Battery life (using alkaline batteries LR6)

The mode of the E•A•S•S	Battery life
48	Approx. 20 hours
12 or OFF	Approx. 15 hours

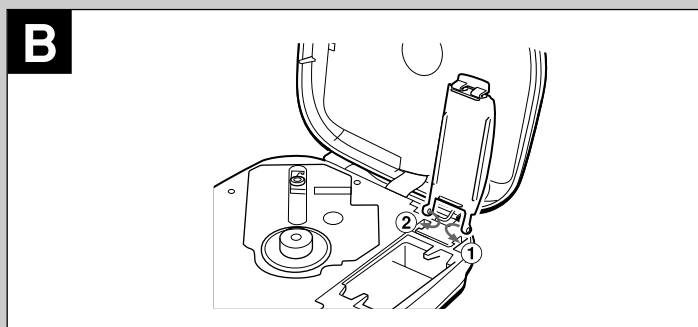
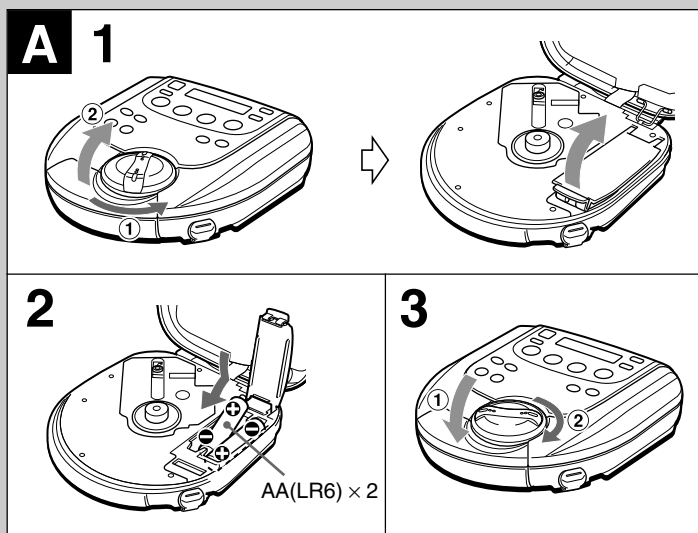
Battery life may vary depending on conditions of use.

If the cover of the battery compartment comes off → B

### Note

Close the battery compartment firmly, or the compact disc may be damaged.

### Note on dry cell batteries

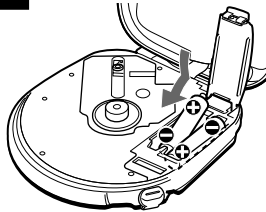
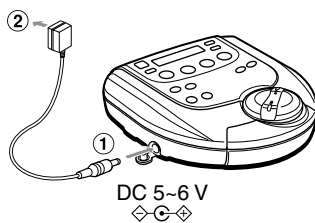
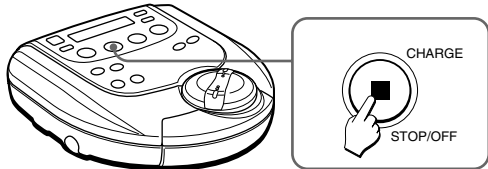
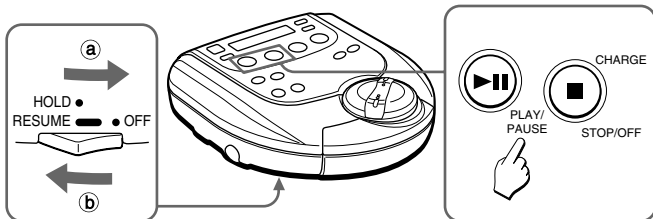
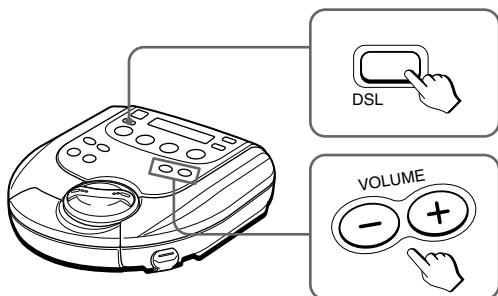
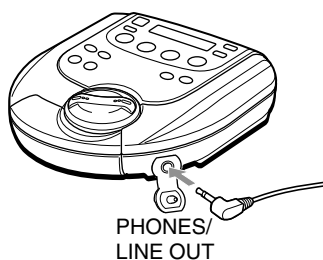
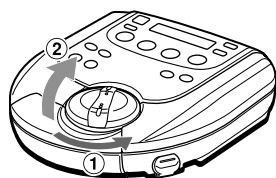
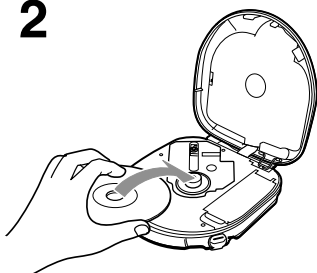


**Note**

**Close the battery compartment firmly, or the compact disc may be damaged.**

**Note on dry cell batteries**

- Make sure that the **+** and **-** marks are correctly aligned.
- Do not mix the different types of batteries, or an old battery with a new one.
- To prevent the risk of electrolyte leakage or explosions, never recharge the batteries, apply heat to them, or take them apart.
- When not using the batteries, remove them to prevent needless battery wear.
- If liquid leaks from the batteries, wipe thoroughly to remove.

**C 1****2****3****D****E****F****G 1****2****3****H**

## USING ON RECHARGEABLE BATTERIES → **C**

- Be sure to use size AA Ni-Cd 1.2 V 700 mAh rechargeable batteries, which are commercially available.
- Be sure to read the instructions of the purchased rechargeable batteries before use.
- When using on rechargeable batteries for the first time, charge them until the battery indicator goes out.
- Before charging the batteries, close the disc compartment. You cannot charge the batteries while it is opened.

**1 Insert the rechargeable batteries with the  $\oplus$  and  $\ominus$  marks correctly aligned.**

**2 Connect the AC adaptor.**

Pull out the rubber cap before connecting the adaptor.

① to DC 5 ~ 6 V jack

② to wall outlet

**3 Keep  $\blacksquare$ STOP/OFF/CHARGE pressed for about 1 second to start charging.**

"C-on" is displayed and the battery indicator blinks.

After charging, disconnect the AC adaptor.

### Time to recharge the batteries

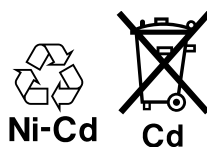
Recharge the batteries when  $\blacksquare$  lights. If the unit remains in use after  $\blacksquare$  lights, "Lo-bAtt" is displayed and the current operation will stop.

### To stop charging

Press  $\blacksquare$ STOP/OFF/CHARGE during charging.

### ATTENTION:

The product you have purchased can be powered by nickel cadmium batteries which are recyclable. At the end of their useful life, under various state and local laws, it is illegal to dispose of these batteries into your municipal waste stream. Please call 1-800-289-2492 for information on how to recycle these batteries.



## USING ON AC HOUSE CURRENT

Connect the supplied AC adaptor in the same way as when recharging the batteries.

During operation on AC house current, all of the battery indicators disappear.

## BEFORE PLAYBACK

### HOLD switch → **D**

Release the HOLD switch before playback. → **a**

When not using the unit, set the HOLD switch to the HOLD position. Accidentally pressed button will not function. → **b**

If buttons are pressed when the HOLD switch is set to the HOLD position, "HOLD" flashes in the display.

### Turning on and off → **D**

#### Turning the power on

Press  $\blacktriangleright \parallel$  PLAY/PAUSE. Power is turned on and playback starts.

#### Note

"Err" appears on the display in the following cases:

- When you try to play the unit without a disc in the disc compartment.
- When you play a disc placed upside-down or a defective disc.

#### Turning the power off

If no new operations are done within 30 seconds from the end of last operation, the power is turned off automatically. (Auto power off function)

- You can turn off the power before it is automatically turned off by pressing  $\blacksquare$ STOP/OFF/CHARGE.

### Standby mode → **D**

When an operation finishes, the unit goes into standby mode until the auto power off function automatically turns off the power.

To enter standby mode, press  $\blacktriangleright \parallel$  PLAY/PAUSE to start playback, then press  $\blacksquare$ STOP/OFF/CHARGE.

### Adjusting the sound → **E**

#### Volume

Press  $+$  to increase the volume.

Press  $-$  to decrease the volume.

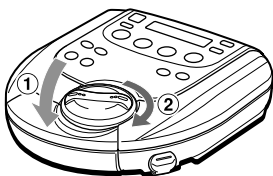
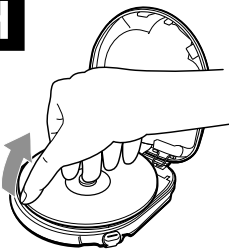
#### DSL

Press DSL for more powerful sound and deeper bass.

DSL  $\bullet$  : Deep bass is emphasized.

DSL  $\bullet\bullet$  : Deep bass is strongly emphasized.

DSL : Normal sound

**3****H****DSL**

Press DSL for more powerful sound and deeper bass.

DSL : Deep bass is emphasized.

DSL : Deep bass is strongly emphasized.

DSL : Normal sound

**Connecting the headphones → F**

Pull out the rubber cap and connect the supplied headphones to the PHONES/LINE OUT jack.

**Inserting a disc → G**

**1 Set the dial to the OPEN position to open the disc compartment.**

**2 Place a disc in the center with the label side facing up.**

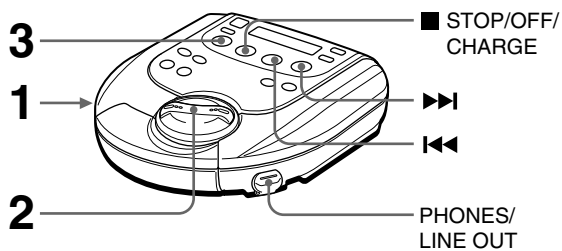
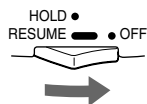
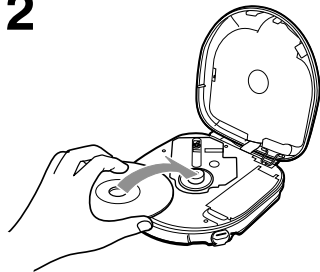
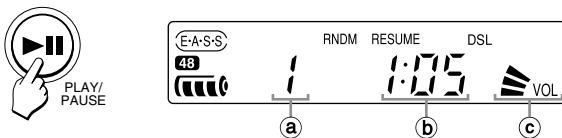
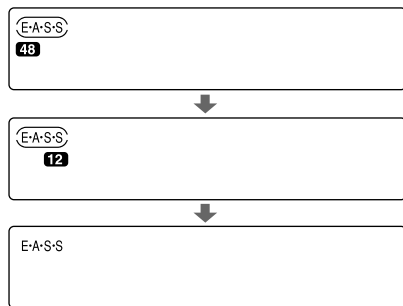
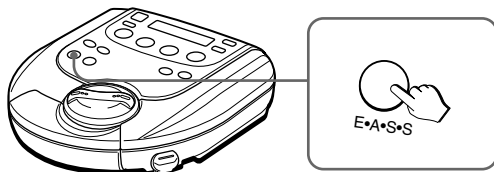
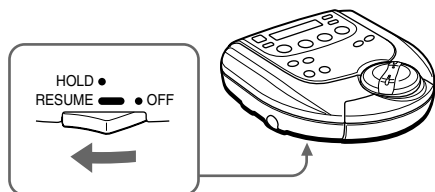
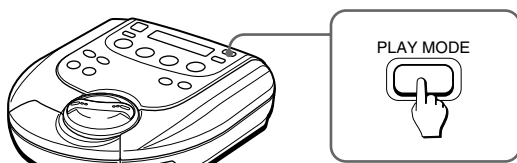
**3 Close the disc compartment tightly and set the dial to the LOCK position.**

**To remove the disc → H**

Pick up the disc, holding its edge, while pressing the pivot gently.

**Note**

- The unit may not play a CD-R/RW disc that is recorded on personal computers or some kinds of CD-R/RW recorders because of differences in recording platforms.
- Do not attach any seal or label to either side (the recordable side or the labeled side) of a CD-R/RW disc. It may cause malfunction.

**I****1****2****3****J****K****L****PLAYBACK → I**

Pull out the rubber cap and connect the supplied headphones to the PHONES/LINE OUT jack.

**1 Release HOLD.****2 Place a disc.****3 Press ►|| PLAY/PAUSE.**

Playback starts from the first track.

- a) track number
- b) elapsed playing time
- c) volume indicator

**Basic operation**

To stop	Press ■ STOP/OFF/CHARGE.
To pause	Press ►   PLAY/PAUSE. To resume, press it again.
To search for the beginning of a track	Press ◀◀ or ▶▶.
To locate a desired passage	Keep ◀◀ or ▶▶ pressed. Release the button at the start of desired passage.

**E•A•S•S PLUS (Electronic Anti-Shock System) → J**

The E•A•S•S PLUS function reduces skipping or muting of the sound when the unit is subjected to shocks.

The player keeps about 48 seconds or 12 seconds of playback sound in its memory.

When you start playback, the unit keeps 48 seconds in memory.

**To keep 12 seconds in the memory**, press E•A•S•S repeatedly until E•A•S•S and 12 appear.

**To cancel the E•A•S•S PLUS function**, press E•A•S•S repeatedly until E•A•S•S appears.

**Note**

- Before jogging with this unit, allow sufficient time for the memory buffer to fill up completely (ideally 40 to 48 seconds). Continuous shock or vibration may cause the sound to be interrupted even if the E•A•S•S PLUS function is activated. This is normal and not a malfunction. Should you experience an interruption in sound, stabilize the unit for a few seconds, then resume your activity.
- When E•A•S•S is pressed, the unit will pause for about 2 seconds.
- When the unit is set to E•A•S•S-off or -12 second mode, the quality of the sound will be better than E•A•S•S-48 second mode.

**Resume function → K****Set the HOLD switch to RESUME.**

RESUME appears, and you can start playback from the point where you stopped playback by pressing ■ STOP/OFF/CHARGE.

When the resume function is on, all-track repeat is selected automatically.

**To cancel resume play**, set the HOLD switch to OFF.

**Note**

- Resume play may start at a point about 30 seconds behind or ahead the stopped point. Resume play may not operate if you stopped at the last 30 seconds of the final track.
- Resume play will be canceled if you open the disc compartment. If the unit is turned off, resume play will not be canceled. In this case, be sure to set the HOLD switch to OFF before changing discs.

**Random play → L****Press PLAY MODE in standby mode to display RNDM.**

Tracks on the disc are played in random order.

**To cancel random play**, press PLAY MODE in standby mode.

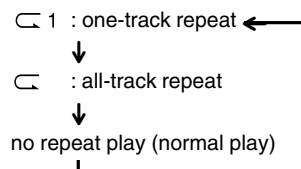
RNDM display changes to RNDM.

**Note**

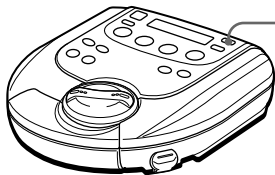
- You cannot back to previous track by pressing ◀◀ during random play.
- You cannot select one-track repeat during random play.

**Repeat play → L**

Press PLAY MODE during playback to select repeat play as follows.

**Note**

When the unit is set to E•A•S•S-12 or -48 second mode, if PLAY MODE is pressed at the end of the track to select the other play mode, the unit may not change to the other mode properly.



PLAY MODE



### Note

When the unit is set to E•A•S•S-12 or -48 second mode, if PLAY MODE is pressed at the end of the track to select the other play mode, the unit may not change to the other mode properly.

## RADIO RECEPTION

### Tuning in to a station → **M**

- 1 Press TUNER ON/BAND repeatedly to select AM or FM.
- 2 Press TUNING + (▶▶) or - (◀◀) to tune in to a station.

After listening, press ■ STOP/OFF/CHARGE to turn off the radio.

### For quick tuning

Keep either TUNING + (▶▶) or - (◀◀) pressed for about 1 second. When a station is tuned in to, the frequency stops automatically. However, it does not stop if the broadcast signal is weak.

### For better reception → **N**

FM: The headphone cord functions as the FM antenna. Keep it extended.  
AM: Turn the unit to find the position which gives the best reception.

### To listen to an FM stereo broadcasting

When a tuned in station is in stereo, ST changes to **ST**.

When the FM stereo signal is weak and distorted, press MONO/ST. ST goes out and the sound will be heard in monaural but distortion will be reduced.

### Note

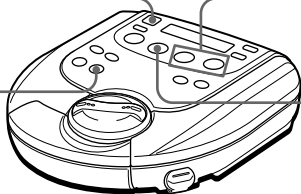
- Do not open the disc compartment during radio reception. The buttons will be deactivated.
- The power is turned off automatically if no operation is made after 180 minutes from the last operation during radio reception.

**M**

1

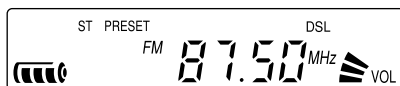
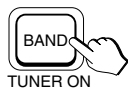
2

MONO/ST

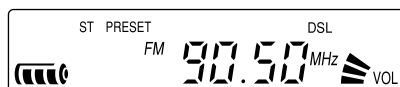
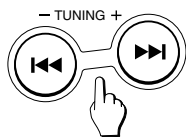


■ STOP/OFF/CHARGE

1



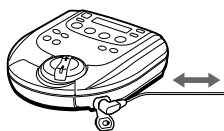
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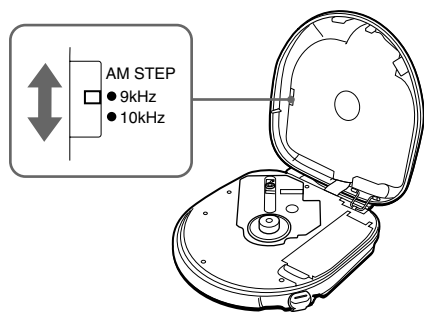
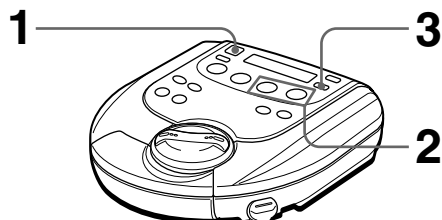
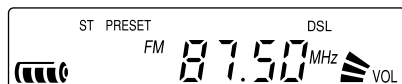
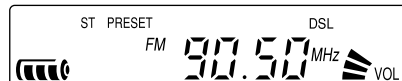
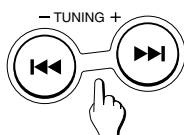
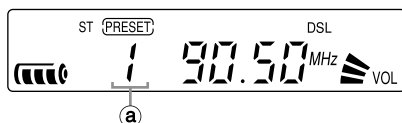
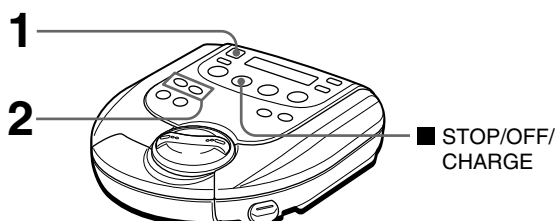
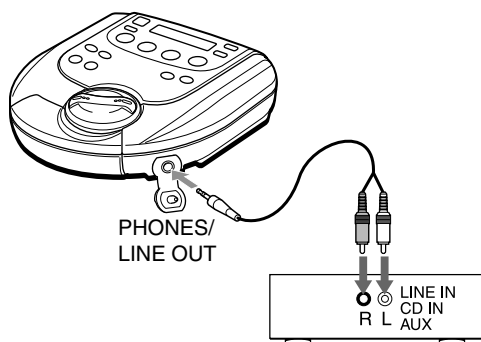
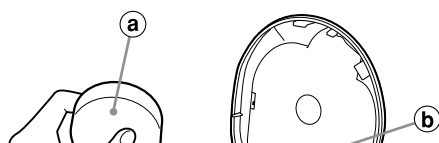


**N**

FM

AM



**O****P****1****2****3****Q****R****S****AM steps → O**

Radio broadcasts have different frequency ranges and changes in different steps in different countries.

This unit is factory-set to 10 kHz steps on AM. When using the unit where the AM step changes to 9 kHz, set the AM STEP switch on the inner side of the disc compartment to 9 kHz.

- When the AM step is changed, stations that you preset are erased.

**Presetting stations → P**

You can preset up to total of 30 stations on AM and FM.

- 1 Press TUNER ON/BAND repeatedly to select AM or FM.
- 2 Press TUNING + (▶▶) or – (◀◀) to tune in to a station.
- 3 Press ENTER to preset the station.

Ⓐ Preset number

To preset more stations, repeat steps 2 and 3.

**Listening to preset stations → Q**

- 1 Press TUNER ON/BAND repeatedly to select AM or FM.
- 2 Press PRESET CALL ^/v repeatedly to select the preset number.

After listening, press ■ STOP/OFF/CHARGE to turn off the radio.

**Changing the presetting**

- 1 Press PRESET CALL ^/v repeatedly to select the preset number you wish to change.
- 2 Keep ENTER pressed for 1 or more seconds until the preset number and the frequency flash.
- 3 While the preset number is flashing, press TUNING + (▶▶) or – (◀◀) to tune in to a station.
- 4 Press ENTER to preset the station on the selected preset number.

If the flashing stops, repeat the procedure from step 2.

**Erasing the presettings one by one**

Press ■ STOP/OFF/CHARGE after step 2 in “Changing the presetting” above. Each preset station is erased. All the settings move up by one and the preset numbers are refreshed.

**Erasing all of the presetting**

Keep ENTER pressed, then press TUNER ON/BAND when the frequency and preset number starts flashing.

**CONNECTING TO AN EXTERNAL UNIT → R**

Use a commercially available connection cord which has a 3.5mm stereo mini-plug at one end and two phono plugs at the other end.

Connect the stereo mini-plug to the PHONES/LINE OUT jack of the unit and connect the phono plugs to the analog input terminals of the external unit.

**Note**

- Turn off the power of both units before connection.
- DO NOT connect to the PHONO inputs of an amplifier (with a built-in phonoequalizer-amplifier).
- Adjust the volume and DSL on this unit.

**MAINTENANCE****To clean the lens → S**

If the lens becomes dirty, the player will skip or not play. If this occurs, clean the lens in the following manner.

To remove dust or dry particles, first use a camera lens blower/brush Ⓐ to blow a few times to loosen particles, then gently brush the lens Ⓑ clean. Finish by blowing the lens again.

To remove fingerprints, use a cotton swab dipped in lens cleaning solution. Wipe gently from the center to the edge. Lens cleaning solution is commercially available.

**Note**

Take care not to get too much solution on the swab, which could flow into the unit and cause damage. Pressing too strongly with the swab could scratch or break the lens.

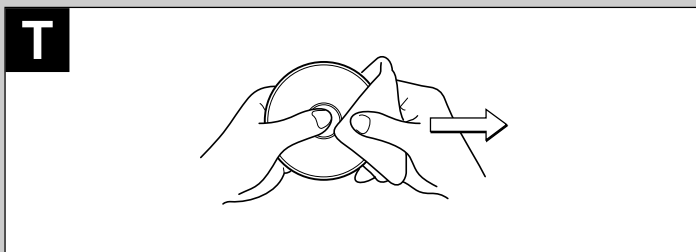
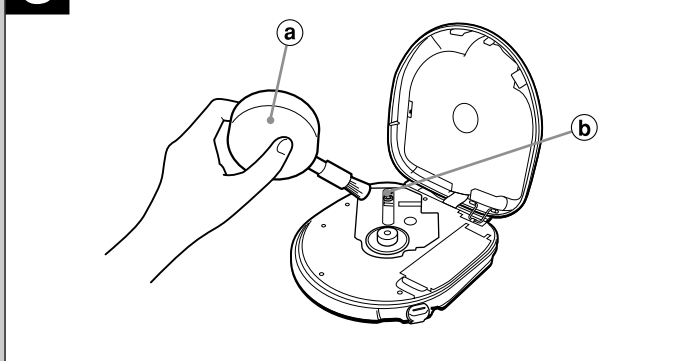
**To clean the discs → T**

Before playing, wipe the disc from the center outward with a cleaning cloth. After playing, store the disc in its case.

**SPECIFICATIONS**

Tracking system  
Laser pickup

3-beam laser  
Semiconductor laser



## SPECIFICATIONS

<b>Tracking system</b>	3-beam laser
<b>Laser pickup</b>	Semiconductor laser
<b>D/A conversion</b>	4-times oversampling digital filter + 1-bit DAC
<b>Frequency response</b>	20 – 20,000 Hz (47 k ohms)
<b>Output</b>	PHONES/LINE OUT jack (stereo mini-jack)
<b>Frequency range</b>	AM: 530/531 kHz – 1,710/1,602 kHz (10 kHz/9 kHz steps) FM: 87.5 – 108 MHz
<b>Maximum output</b>	12 mW + 12 mW (16 ohms at 1 kHz) 500 mV (47 k ohms at 1 kHz)
<b>Power supply</b>	DC 3 V using two size AA (LR6) alkaline batteries DC 2.4 V using commercially available rechargeable batteries AC house current using the supplied AC adaptor
<b>Maximum outside dimensions</b>	132 (W) × 32.5 (H) × 141 (D) mm, 5 1/4 × 1 5/16 × 5 5/8 in. (excluding projecting parts and controls)
<b>Weight</b>	Approx. 280 g (9.8 oz.) excluding batteries
<b>Accessories</b>	AC adaptor AC-D603 (1) Stereo headphones (1) Carrying case (1)
<b>AC adaptor AC-D603</b>	Rated input: AC 120 V, 60 Hz

The specifications and external appearance of this unit are subject to change without notice.